



IAP6 Rec'd PCT/PTO 06 OCT 2006 *RET*

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q88288

Brian David SOWERBY, et al.

Appln. No.: 10/537,821

Group Art Unit: 2882

Confirmation No.: 7184

Examiner: Midkiff, A.

Filed: December 16, 2005

For: RADIOGRAPHIC EQUIPMENT

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed (without a Statement Under 37 C.F.R § 1.97(e)) after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of

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**U.S. Appln. No.: 10/537,821**

**Q88288**

Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore a check for the fee of \$180.00 under 37 C.F.R. § 1.17(p) is attached.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: October 6, 2006

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

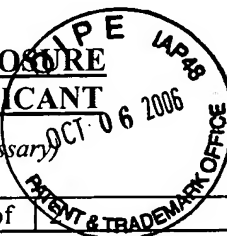
Complete if Known

Application Number	10/537,821
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First Named Inventor	Brian David SOWERBY
Art Unit	2882
Examiner Name	Midkiff, A.
Attorney Docket Number	Q88288

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of

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		An, J. et al, "Progress on Developing <sup>60</sup> Co Container Inspection Systems", Applied Radiation and Isotopes 58 (2003) pgs. 315-320	
		Barzilov, A.P., et al, "NELIS - A Neutron Elemental Analysis System of Commodities of Pallets", (2001) Office of National Drug Control Policy International Symposium	
		Brzosko, J.S. et al, "Advantages and Limitations of 14-MeV Neutron Radiography", Nuclear Instruments and Methods B72 (1992) pgs. 119-131	
		Buffler, A. "Contraband Detection by Fast Neutron Scattering", 2 <sup>nd</sup> National Nuclear Technology Conference, NAC, South Africa, 13-15, May 2001, paper D-03	
		Chen, G. and Lanza, R.C., "Fast Neutron Resonance Radiography for Elemental Mapping", Final Research Co-ordination Meeting on "Bulk Hydrogen Analysis Using Neutrons", Cape Town, South Africa, 23-26, October 2000, pp. 31-38	
		Dokhale, P.A., et al, "NELIS - An Illicit Drug Detection System", AIP Conference Proceedings, 576 (2001) pgs. 1061-1064.	
		Gozani, T. "Neutron Based Non-Intrusive Inspection Techniques", Proc. Internat. Conf. on Neutrons in Research and Industry, Crete, Greece, 9-15 June 1996, SPIE Proceedings Series 2867 (1997) 174-181	
		Hussein, E. "Detection of Explosive Materials Using Nuclear Radiation: A Critical Review", SPIE, Vol. 1736 (1992) pgs. 130-137	

\* Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for Form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
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				First Named Inventor	Brian David SOWERBY
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				Examiner Name	Midkiff, A.
				Attorney Docket Number	Q88288
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		WO	00/43760	A2	07/27/2000	D. Perion	Abstract

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Klann, R.T., "Fast Neutron (14.5 MeV) Radiography: A Comparative Study", 5 <sup>th</sup> World Conference on Neutron Radiograph, Berlin, 17-20 June 1996, 469-483	
		Lefevre, H.W., et al "Using a Fast Neutron Spectrometer System to Candle Luggage for Hidden Explosives", Proc. Internat. Conf. on Neutrons in Research and Industry, Crete, Greece, 9-15, June 1996, SPIE Proceedings Series 2867 (1997) pgs. 206-210	
		Le Tourneur, P. et al, "Neutron Fan Beam Source for Neutron Radiography Purpose", 15 <sup>th</sup> Int. Conf. on Applications of Accelerators in Research and Industry, Denton, Texas, USA, Nov. 4-7, 1998	
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		Millen, M. J., et al, "Plant Trial of a Fast Neutron and Gamma-Ray Transmission Gauge for the On-belt Determination of Moisture in Lump Coke", Nuclear Geophysics 4 (1990) 215-226	
		Rynes, J. et al, "Gamma-ray and Neutron Radiography as Part of a Pulsed Fast Neutron Analysis Inspection System", Nuclear Instruments and Methods A422 (1999) pgs. 895-899	
		Tickner, J.R. et al, "A Detection System", Australian Provisional Patent Application No. 2002/2953,244, filed December 10, 2002	

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